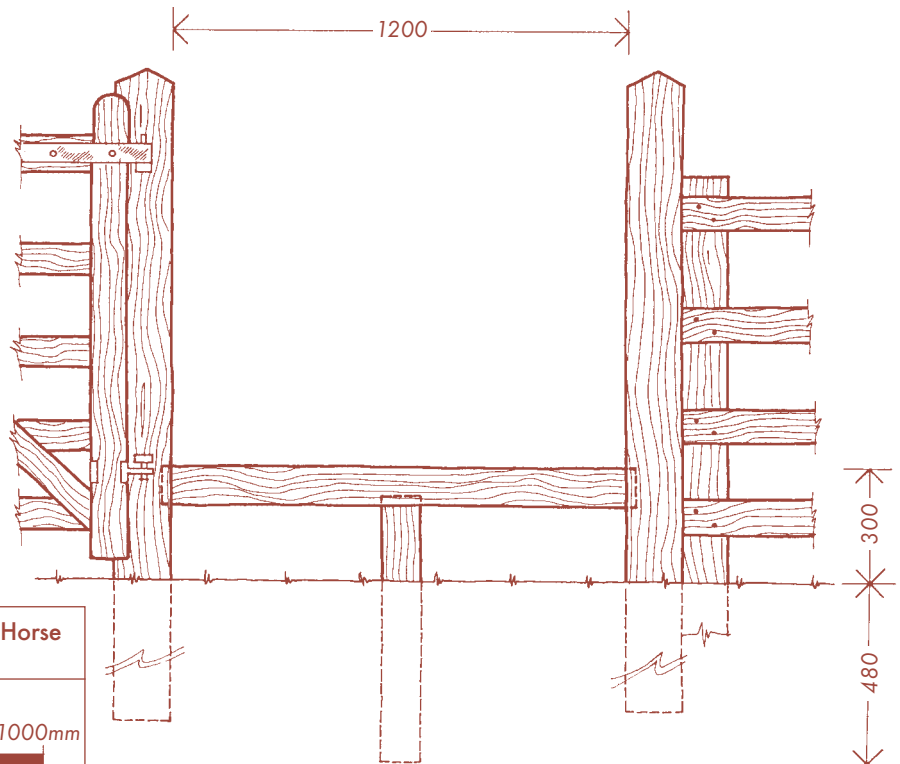
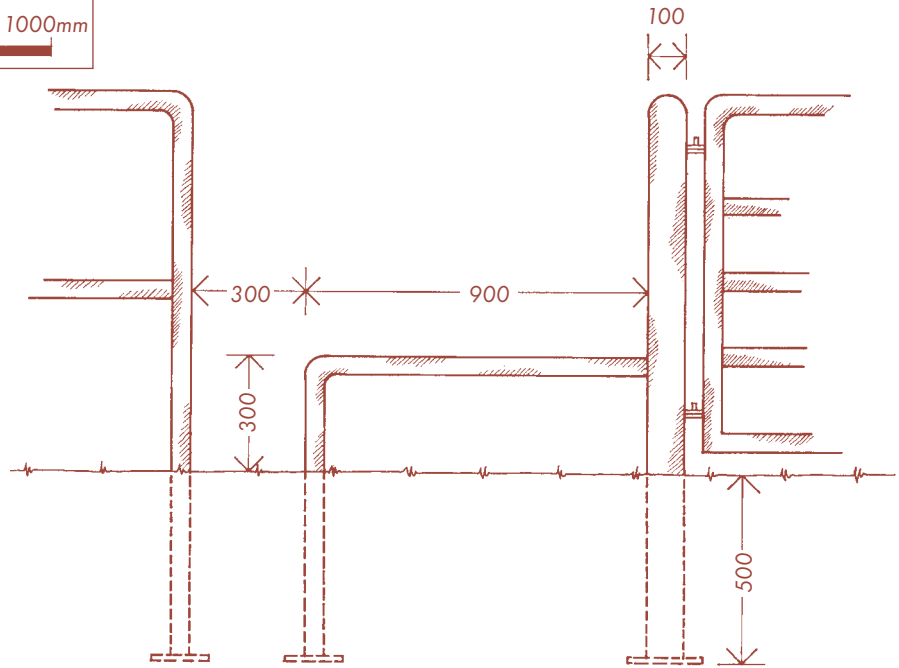




Information Sheet **No.1.9**
Horse Stile/Motorcycle Barrier (Versions 3 & 4)

(Page 1 of 2)

1.9A Version 3 : Formartine & Buchan Way Horse Stile - Front Elevation
Scale 1:20
0 1000mm



1.9B Version 4 : Speyside Way Horse Stile - Front Elevation
Scale 1:20
0 1000mm

	Conforms to BS 5709	Ease of use for Pedestrians	Accessible to Motorised Wheelchair Users	Accessible to Manual Wheelchair and Pushchair Users	Accessible to Horseriders	Accessible to Pedal Cyclists	Accessible to Motorcyclists	Accessible to Motor Cars
Vers. 3	X	☹️	X	X	✓	✓	X ²	X
Vers. 4	X	☹️	X	X	✓	✓ ¹	X ²	X

¹ but pedal cyclists will still need to dismount and lift their bike over
² but may be accessible to lighter trail bikes



A horse stile should only be installed where there is a proven and demonstrable need to deter access by motorcyclists along a path used by horseriders.

Version 3 : Formartine & Buchan Way Horse Stile/Motorcycle Barrier

• Notes

In contrast to Versions 1 and 2 (see Information Sheets 1.7 & 1.8), this design has only a single beam and is therefore easier for horseriders to use, but is a less effective barrier against motorcycles, especially the lighter trail bikes.

It allows access by horseriders and also enables cyclists to pass through without dismounting. The 300 wide ground level gap is passable by pedestrians but may be rather narrow for convenient use by ambulant disabled and elderly people. Provision for access by people with mobility difficulties, people with prams and pushchairs (single and double), and users of manual and motorised wheelchairs, should be accommodated, as appropriate, through the installation alongside of a kissing gate or other structure. In a recent design, the stile has been turned through 180° so that the opening is nearer the centre of the path/route. A safety audit also recommended that signs should be erected to advise cyclists to dismount.

It does not conform to BS5709 in several respects, relating to its design, construction material and dimensions. However, it has been installed on the Formartine and Buchan Way in Aberdeenshire and it is understood that it is both reasonably effective as a motorcycle deterrent and acceptable to local horseriders.

• Construction and Installation Details

The horse stile beam is 900 wide and 300 high. The width of the adjacent pedestrian/cycle gap is 300.

The barrier is fabricated from 50mm diameter galvanised steel tubing concreted into the ground to a depth of 500. In the layout shown overleaf, the main beam is welded to a 100mm diameter galvanised steel gate post but the design could be adapted, through the addition of a flange to the end of the beam, to allow it to be screwed to a wooden gate post.

Version 4 : Speyside Way Horse Stile/Motorcycle Barrier

• Notes

In common with Version 3 (see above), this design has only a single beam and is therefore easier for horseriders to use. For the same reason, it is also a less effective barrier against motorcycles, especially the lighter trail bikes.

It allows access by horseriders but pedal cyclists must dismount to lift their cycles over the beam. It is also reasonably accessible to pedestrians, although the 300 high beam may cause problems for people with mobility difficulties.

Provision for access by pedestrians and other path users, such as people with prams and pushchairs (single and double), and users of manual and motorised wheelchairs, should be accommodated, as appropriate, through the installation alongside of a kissing gate or other structure.

It does not conform to BS5709 in several respects relating to its overall design and dimensions. However, it has been installed on the Speyside Way in Moray and Highland and it is understood that it is both reasonably effective as a motorcycle deterrent and acceptable to local horseriders.

• Construction and Installation Details

Beam : 1240 x 100 x 100; morticed 20 into each of the two uprights to a top height of 300.

Central Upright : 700 x 100 x 75; morticed 20 into underside of beam and set 480 deep into the ground.

Support Posts : 2 no. 2440 max - 2000 min x 150 x 150; the length of these posts will depend upon whether they also act as hanging or shutting posts for adjacent gates.

• Design Source and Contacts for Further Information

Formartine: Aberdeenshire Council, Transportation & Infrastructure, Landscape Services, Woodhill House, Westburn Road, Aberdeen. AB16 5GB. Tel. 01467 620981 or Signpost Service 0845 606 7000.

Speyside: Speyside Way Ranger Service, Boat O'Fiddich, Craigellachie, Banffshire. AB13 9RQ. Tel. 01340 881266.